

# Triangle Properties Quiz

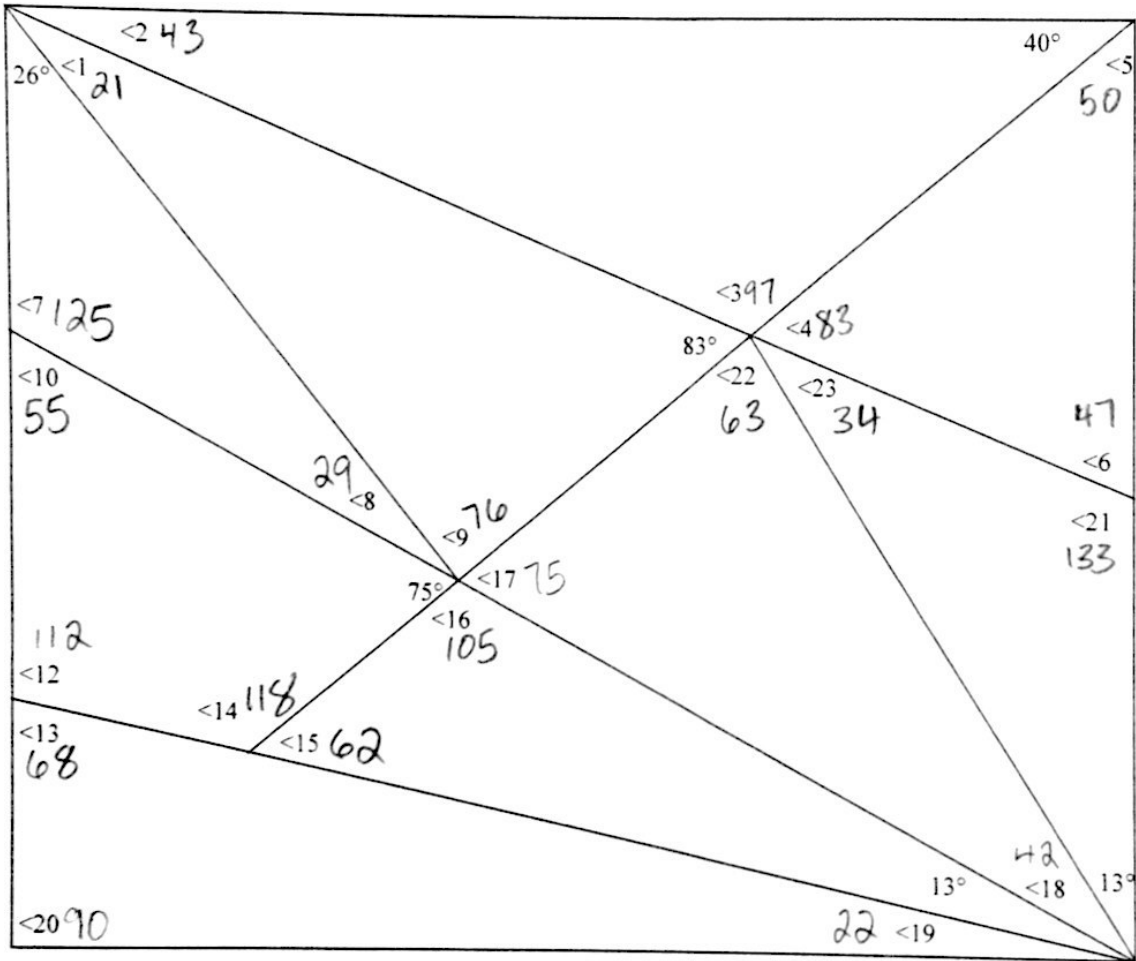
Period: \_\_\_\_\_ Name: KEY

Identify each of the following:

- 1) Two angles whose sum is one hundred eighty degrees. supplementary
- 2) Two angles whose sum is ninety degrees. complimentary
- 3) Two angles opposite each other when two lines intersect. vertical
- 4) Two angles that are next to each other. adjacent

2pts

Find the measure of each angle inside the large square below. Write the angle measure on the line below the square.



- |               |                |                |
|---------------|----------------|----------------|
| <1 <u>21</u>  | <9 <u>76</u>   | <17 <u>75</u>  |
| <2 <u>43</u>  | <10 <u>55</u>  | <18 <u>42</u>  |
| <3 <u>97</u>  | <11 <u>—</u>   | <19 <u>22</u>  |
| <4 <u>83</u>  | <12 <u>112</u> | <20 <u>90</u>  |
| <5 <u>50</u>  | <13 <u>68</u>  | <21 <u>133</u> |
| <6 <u>47</u>  | <14 <u>118</u> | <22 <u>63</u>  |
| <7 <u>125</u> | <15 <u>62</u>  | <23 <u>34</u>  |
| <8 <u>29</u>  | <16 <u>105</u> |                |

# Triangle Properties Quiz

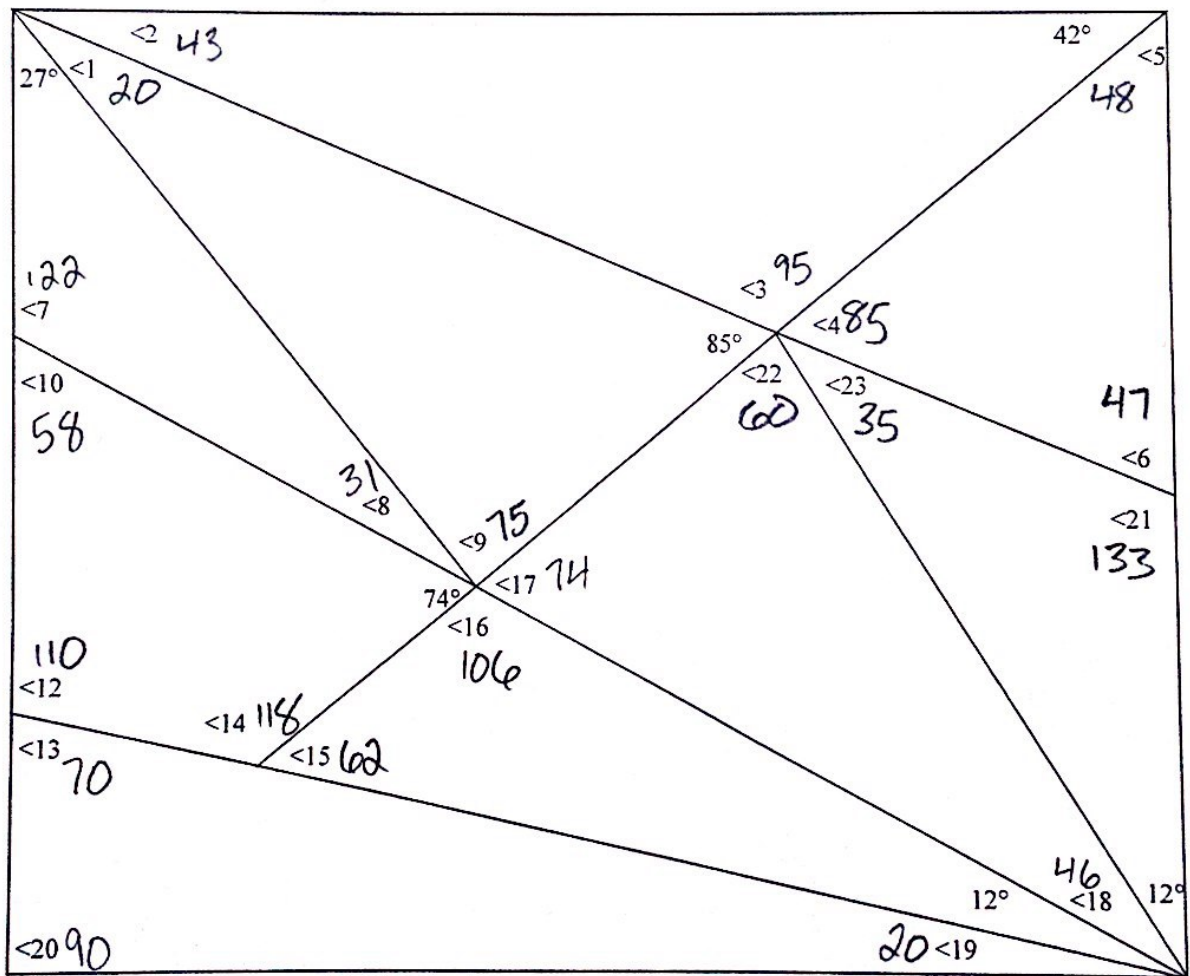
Period: \_\_\_\_\_ Name: KEY

2pts

Identify each of the following:

- 1) Two angles whose sum is one hundred eighty degrees. supplementary
- 2) Two angles whose sum is ninety degrees. complimentary
- 3) Two angles opposite each other when two lines intersect. vertical
- 4) Two angles that are next to each other. adjacent

Find the measure of each angle inside the large square below. Write the angle measure on the line below the square.



- |               |                |                |
|---------------|----------------|----------------|
| <1 <u>20</u>  | <9 <u>75</u>   | <17 <u>74</u>  |
| <2 <u>43</u>  | <10 <u>58</u>  | <18 <u>46</u>  |
| <3 <u>95</u>  | <11 <u>—</u>   | <19 <u>20</u>  |
| <4 <u>85</u>  | <12 <u>110</u> | <20 <u>90</u>  |
| <5 <u>48</u>  | <13 <u>70</u>  | <21 <u>133</u> |
| <6 <u>47</u>  | <14 <u>118</u> | <22 <u>60</u>  |
| <7 <u>122</u> | <15 <u>62</u>  | <23 <u>35</u>  |
| <8 <u>31</u>  | <16 <u>106</u> |                |

# Triangle Properties Quiz

Period: \_\_\_\_\_

Name: \_\_\_\_\_

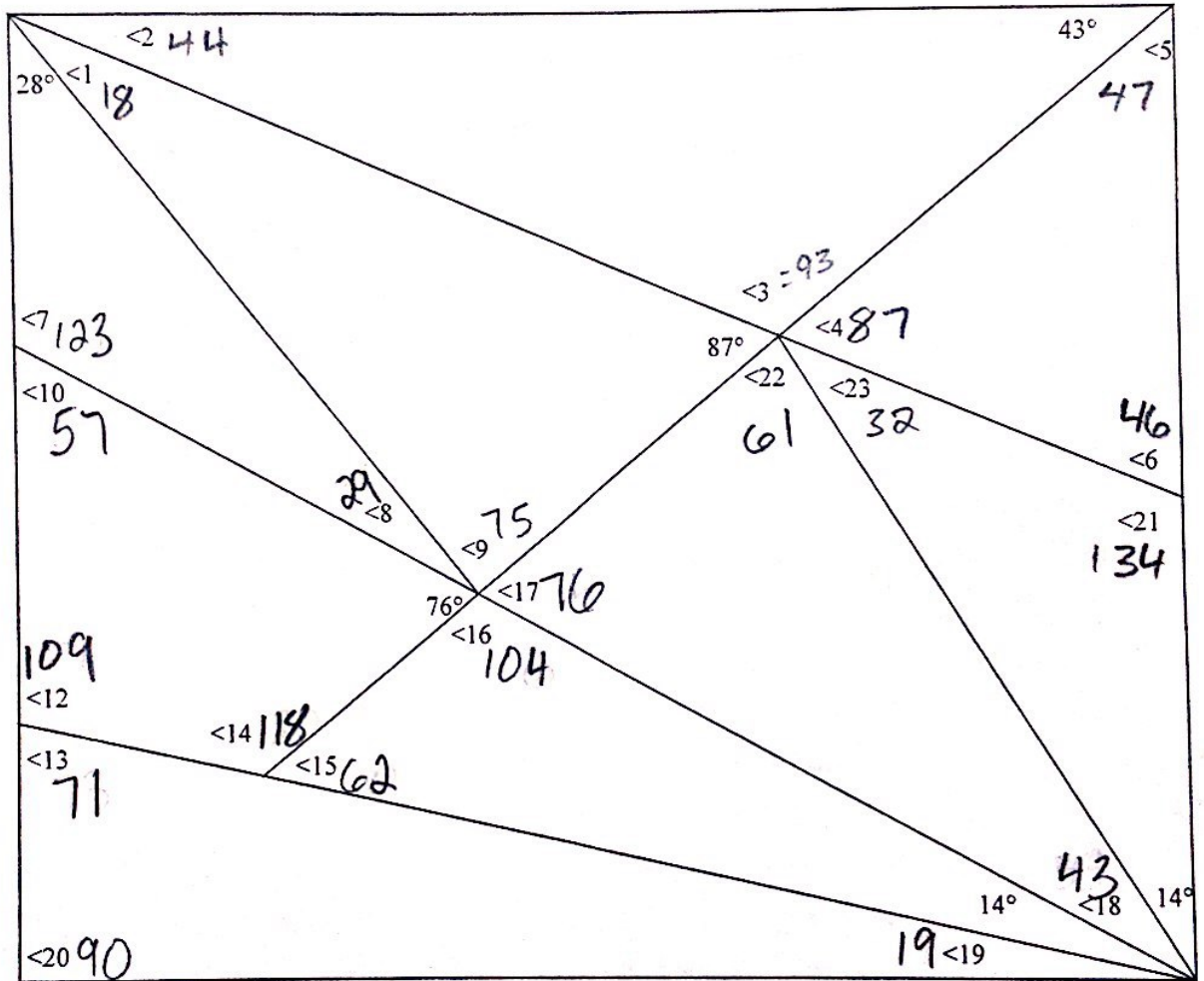
KEY

Identify each of the following:

- 1) Two angles whose sum is one hundred eighty degrees.
- 2) Two angles whose sum is ninety degrees.
- 3) Two angles opposite each other when two lines intersect.
- 4) Two angles that are next to each other.

supplementary  
complementary  
vertical  
adjacent

Find the measure of each angle inside the large square below. Write the angle measure on the line below the square.



|                       |     |                        |     |                        |     |
|-----------------------|-----|------------------------|-----|------------------------|-----|
| <math>\angle 1</math> | 18  | <math>\angle 9</math>  | 75  | <math>\angle 17</math> | 76  |
| <math>\angle 2</math> | 44  | <math>\angle 10</math> | 57  | <math>\angle 18</math> | 43  |
| <math>\angle 3</math> | 93  | <math>\angle 11</math> | —   | <math>\angle 19</math> | 19  |
| <math>\angle 4</math> | 87  | <math>\angle 12</math> | 109 | <math>\angle 20</math> | 90  |
| <math>\angle 5</math> | 47  | <math>\angle 13</math> | 71  | <math>\angle 21</math> | 134 |
| <math>\angle 6</math> | 46  | <math>\angle 14</math> | 118 | <math>\angle 22</math> | 61  |
| <math>\angle 7</math> | 123 | <math>\angle 15</math> | 62  | <math>\angle 23</math> | 32  |
| <math>\angle 8</math> | 29  | <math>\angle 16</math> | 104 |                        |     |